

# INFORMATION SHEET

## HOT WORK

A permit is required from the Fire Prevention Division to conduct cutting, welding, use of open torch, brazing, glass blowing or similar operations. *NFPA 1: 1.12*

- Welding equipment and use shall be in accordance with *NFPA 1 Chapter 41, NFPA 51B*.
- All compressed gas cylinders in service or in storage, empty or full shall be adequately secured to prevent falling or being knocked over. *NFPA 1: 41.4.5.7*
- Fully charged and operational fire extinguishers that are appropriate for the type of possible fire shall be available immediately at the work area. If existing hose lines are located within the hot work area defined by the permit, they shall be connected and ready for service, but shall not be required to be unrolled or charged. *NFPA 1 41.3.3.2.10*
- Hot work equipment to be used shall be in satisfactory operating condition and in good repair. (Refer to NFPA 51B 4.3 (2) (3) 5.3.2 for conditions that shall be verified). *NFPA 1: 41.3.3.2.1*
- Hot works shall not be permitted in the presence of explosive atmosphere (i.e., where mixtures of flammable gases, vapors, liquids, or dusts with air exist). *NFPA 1: 5.2 (3)*
- All combustibles shall be relocated at least 35 feet horizontally from the work site. If relocation is impractical, combustibles shall be protected with fire-retardant covers or otherwise shielded with metal or fire-retardant guards or curtains. *NFPA 1: 41.3.3.2.3*
- The public, combustible materials and compressed gas cylinders at the site shall be protected from flames, sparks, and molten metal. *NFPA 1: 41.4.4.2*
- A fire watch shall be maintained for at least 30 minutes after completion of hot work operation in order to detect and extinguish smoldering fires. *NFPA 1: 41.3.4.2*
- A Fire watch shall be required by the Permit Authorizing Individual when hot work is performed in a location where other than a minor fire might develop. *NFPA 1: 41.3.4.1*
- Arc-welding equipment shall be of an approved type and shall be installed and used in accordance with NFPA 70, National Electric Code, and manufacturers' requirements. A disconnecting means shall be provided in the supply circuit for each arc welder that is not equipped with a disconnect mounted as an integral part of the welder. *NFPA 1: 41.5.1 & NFPA 70-ART. 630*
- Signs shall be posted designating hot work areas as deemed necessary by the Permit Authorizing Individual. *NFPA 51B: 5.1.2.2.2*

*The items listed are basic information only. Codes are subject to change. Additional requirements may apply.*

**LAS VEGAS FIRE & RESCUE**

**Fire Prevention Division**

**(702) 229-0366**

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